PROJECT facts
U.S. Department of Energy
National Energy Research Laboratory

Materials and Advanced Metallurgical Research
11/2001

The Influence of Processing on Microstructure and Properties of Intermetallics

Project Lead

Idaho National Engineering and Environmental Laboratory (INEEL)
Idaho Falls, ID

Description

Duration: 10/1/96 - 9/30/01

The purpose of this project is to determine the influence of processing on improving elevated temperature mechanical properties and resistance to environmental degradation of advanced alloys for fossil energy applications. Work on the relationship of processing to microstructure, properties and performance, carried out in collaboration with Oak Ridge National Laboratory, for iron aluminide-based alloys will be extended to coatings for protection of structural materials from high temperature environmental degradation.

Product Support Areas

Gasification Technologies	Combustion Technologies	Sequestration	Environmental & Water Resources	Advanced Turbine & Engines	Fuel Cells
✓	✓				

NETL

Project: FEAA012
Code: INEEL-2

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